

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 07-069930

(43)Date of publication of application : 14.03.1995

(51)Int.Cl.

A61K 47/30
A61K 9/107

(21)Application number : 06-132221

(71)Applicant : IMPERIAL CHEM IND PLC <ICI>

(22)Date of filing : 14.06.1994

(72)Inventor : CHURCHILL JEFFREY R
HUTCHINSON FRANCIS G

(30)Priority

Priority number : 84 8416234 Priority date : 26.06.1984 Priority country : GB

(54) COPOLYMER CONTAINING PHARMACEUTICALLY OR VETERINARILY ACCEPTABLE AND AMPHIPATHIC NON-CROSS-LINKED LINEAR, BRANCHED OR GRAFT BLOCK COPOLYMER/DRUG SOLID POWDERY MATERIAL AND PRODUCTION OF THE SAME MATERIAL

(57)Abstract:

PURPOSE: To provide a method for producing a copolymer self dispersible in water/pharmaceutical solid powdery material comprising up to 99 wt.% of a drug and the balance of a biodegradable amphipathic copolymer.

CONSTITUTION: This method for producing a pharmaceutically or veterinarily acceptable, amphipathic, non-cross-linked linear, branched or graft block copolymer/drug solid powdery material comprises freeze-drying a frozen, stable aqueous dispersion of the pharmaceutically or veterinarily acceptable copolymer, self-dispersible in water, having a minimum weight-average molecular weight of 1,000, containing the hydrophobic component which is biodegradable or hydrolytically unstable under normal physiologicat conditions and the hydrophilic component which may or may not be unstable under the same conditions and capable of forming a stable dispersion and the drug. The resultant material is useful for producing a sustained continuous release pharmaceutical preparation of the drug.

LEGAL STATUS

[Date of request for examination] 14.06.1994

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number] 2076127

[Date of registration] 25.07.1996

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]